

## RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/767,200

Source: \_\_\_\_\_

Date Processed by STIC: \_\_\_\_\_

# ***ENTERED***



IFWO

RAW SEQUENCE LISTING DATE: 10/19/2004  
PATENT APPLICATION: US/10/767,200 TIME: 10:52:44

Input Set : N:\Crf3\RULE60\10767200.raw.txt  
Output Set: N:\CRF4\10192004\J767200.raw

SEQUENCE LISTING

- 3 (1) GENERAL INFORMATION:
- 5     (i) APPLICANT: MOLINARI, Antonio
- 6                   GERNA, Marco
- 7                   GIORGETTI, Carla
- 8                   LANSEN, Jacqueline
- 9                   RONCUCCI, Romeo
- 11    (ii) TITLE OF INVENTION: ANTI-HIRUDIN POLYCLONAL ANTIBODIES AND
- 12                                    THEIR USE FOR THE IDENTIFICATION, IMMUNOPURIFICATION AND
- 13                                    QUANTITATIVE DETERMINATION OF HIRUDIN
- 15    (iii) NUMBER OF SEQUENCES: 5
- 17    (iv) CORRESPONDENCE ADDRESS:
- 18           (A) ADDRESSEE: Nikaido, Marmelstein, Murray & Oram
- 19           (B) STREET: 655 Fifteenth St. N.W., Suite 330
- 20           (C) CITY: Washington
- 21           (D) STATE: D.C.
- 22           (E) COUNTRY: United States of America
- 23           (F) ZIP: 20005-5701
- 25    (v) COMPUTER READABLE FORM:
- 26           (A) MEDIUM TYPE: Floppy disk
- 27           (B) COMPUTER: IBM PC compatible
- 28           (C) OPERATING SYSTEM: PC-DOS/MS-DOS
- 29           (D) SOFTWARE: Wordperfect 5.1
- 31    (vi) CURRENT APPLICATION DATA:
- C--> 32           (A) APPLICATION NUMBER: US/10/767,200
- C--> 33           (B) FILING DATE: 30-Jan-2004
- 34           (C) CLASSIFICATION: 436
- 36    (vii) PRIOR APPLICATION DATA:
- W--> 37           (A) APPLICATION NUMBER: US/08/603,182
- 38           (B) FILING DATE: 1996-FEB-20
- W--> 39           (A) APPLICATION NUMBER: US/08/205,764
- 40           (B) FILING DATE:
- W--> 41           (A) APPLICATION NUMBER: US/07/903,797
- 42           (B) FILING DATE:
- W--> 43           (A) APPLICATION NUMBER: IT MI91A001767
- 44           (B) FILING DATE: 27-JUN-1991
- 46    (viii) ATTORNEY/AGENT INFORMATION:
- 47           (A) NAME: Monica F. Chin
- 48           (B) REGISTRATION NUMBER: 36,105
- 49           (C) REFERENCE/DOCKET NUMBER: 1615-2001
- 51    (ix) TELECOMMUNICATION INFORMATION:
- 52           (A) TELEPHONE: 202-638-5000
- 53           (B) TELEFAX: 202-638-4810

## RAW SEQUENCE LISTING

DATE: 10/19/2004

PATENT APPLICATION: US/10/767,200

TIME: 10:52:44

Input Set : N:\Crf3\RULE60\10767200.raw.txt

Output Set: N:\CRF4\10192004\J767200.raw

## 59 (2) INFORMATION FOR SEQ ID NO: 1:

## 61 (i) SEQUENCE CHARACTERISTICS:

62 (A) LENGTH: 65 amino acids

63 (B) TYPE: amino acid

64 (D) TOPOLOGY: linear

## 66 (ii) MOLECULE TYPE: peptide

## 68 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

70 Val Val Tyr Thr Asp Cys Thr Glu Ser Gly Gln Asn Leu Cys Leu Cys  
71 1 5 10 15  
73 Glu Gly Ser Asn Val Cys Gly Gln Gly Asn Lys Cys Ile Leu Gly Ser  
74 20 25 30  
76 Asp Gly Glu Lys Asn Gln Cys Val Thr Gly Glu Gly Thr Pro Lys Pro  
77 35 40 45  
79 Gln Ser His Asn Asp Gly Asp Phe Glu Glu Ile Pro Glu Glu Tyr Leu  
80 50 55 60  
82 Gln  
83 65

## 85 (2) INFORMATION FOR SEQ ID NO: 2:

## 87 (i) SEQUENCE CHARACTERISTICS:

88 (A) LENGTH: 65 amino acids

89 (B) TYPE: amino acid

90 (D) TOPOLOGY: linear

## 92 (ii) MOLECULE TYPE: peptide

## 94 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

96 Ile Thr Tyr Thr Asp Cys Thr Glu Ser Gly Gln Asn Leu Cys Leu Cys  
97 1 5 10 15  
99 Glu Gly Ser Asn Val Cys Gly Lys Gly Asn Lys Cys Ile Leu Gly Ser  
100 20 25 30  
102 Asn Gly Lys Gly Asn Gln Cys Val Thr Gly Glu Gly Thr Pro Asn Pro  
103 35 40 45  
105 Glu Ser His Asn Asn Gly Asp Phe Glu Glu Ile Pro Glu Glu Tyr Leu  
106 50 55 60  
108 Gln  
109 65

## 111 (2) INFORMATION FOR SEQ ID NO: 3:

## 113 (i) SEQUENCE CHARACTERISTICS:

114 (A) LENGTH: 65 amino acids

115 (B) TYPE: amino acid

116 (D) TOPOLOGY: linear

## 118 (ii) MOLECULE TYPE: peptide

## 121 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

123 Val Val Tyr Thr Asp Cys Thr Glu Ser Gly Gln Asn Leu Cys Leu Cys  
124 1 5 10 15  
126 Glu Gly Ser Asn Val Cys Gly Gln Gly Asn Lys Cys Ile Leu Gly Ser  
127 20 25 30  
129 Gln Gly Lys Asp Asn Gln Cys Val Thr Gly Glu Gly Thr Pro Lys Pro  
130 35 40 45  
132 Gln Ser His Asn Gln Gly Asp Phe Glu Pro Ile Pro Glu Asp Ala Asp  
133 50 55 60

## RAW SEQUENCE LISTING

DATE: 10/19/2004

PATENT APPLICATION: US/10/767,200

TIME: 10:52:44

Input Set : N:\Crf3\RULE60\10767200.raw.txt

Output Set: N:\CRF4\10192004\J767200.raw

```

135      Glu
136      65
138 (2) INFORMATION FOR SEQ ID NO: 4:
139      (i) SEQUENCE CHARACTERISTICS:
140          (A) LENGTH: 64 amino acids
141          (B) TYPE: amino acid
142          (C) STRANDEDNESS: single
143          (D) TOPOLOGY: linear
144      (ii) MOLECULE TYPE: peptide
145      (vi) ORIGINAL SOURCE:
146          (A) ORGANISM: Hirudunaria manillensis
147      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
148      Val Ser Tyr Thr Asp Cys Thr Glu Ser Gly Gln Asn Tyr Cys Leu Cys
149      1          5          10          15
150      Val Gly Gly Asn Leu Cys Gly Gly Gly Lys His Cys Glu Met Asp Gly
151      20          25          30
152      Ser Gly Asn Lys Cys Val Asp Gly Glu Gly Thr Pro Lys Pro Lys Ser
153      35          40          45
154      Gln Thr Glu Gly Asp Phe Glu Glu Ile Pro Asp Glu Asp Ile Leu Asn
155      50          55          60
156 (2) INFORMATION FOR SEQ ID NO: 5:
157      (i) SEQUENCE CHARACTERISTICS:
158          (A) LENGTH: 64 amino acids
159          (B) TYPE: amino acid
160          (C) STRANDEDNESS: single
161          (D) TOPOLOGY: linear
162      (ii) MOLECULE TYPE: peptide
163      (vi) ORIGINAL SOURCE:
164          (A) ORGANISM: Hirudunaria manillensis
165      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
166      Val Ser Tyr Thr Asp Cys Thr Glu Ser Gly Gln Asn Tyr Cys Leu Cys
167      1          5          10          15
168      Val Gly Ser Asn Val Cys Gly Glu Gly Lys Asn Cys Gln Leu Ser Ser
169      20          25          30
170      Ser Gly Asn Gln Cys Val His Gly Glu Gly Thr Pro Lys Pro Lys Ser
171      35          40          45
172      Gln Thr Glu Gly Asp Phe Glu Glu Ile Pro Asp Glu Asp Ile Leu Asn
173      50          55          60

```

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 10/19/2004  
PATENT APPLICATION:    US/10/767,200      TIME: 10:52:45

Input Set : N:\Crf3\RULE60\10767200.raw.txt  
Output Set: N:\CRF4\10192004\J767200.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 85  
Seq#:2; Line(s) 111  
Seq#:3; Line(s) 138  
Seq#:4; Line(s) 164

**VERIFICATION SUMMARY**

DATE: 10/19/2004

PATENT APPLICATION: US/10/767,200

TIME: 10:52:45

Input Set : N:\Crf3\RULE60\10767200.raw.txt

Output Set: N:\CRF4\10192004\J767200.raw

- L:32 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
- L:33 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
- L:39 M:238 W: Alpha Fields not Ordered, Reordered [(A) APPLICATION NUMBER:] of (1) (vii)
- L:41 M:238 W: Alpha Fields not Ordered, Reordered [(A) APPLICATION NUMBER:] of (1) (vii)
- L:43 M:238 W: Alpha Fields not Ordered, Reordered [(A) APPLICATION NUMBER:] of (1) (vii)